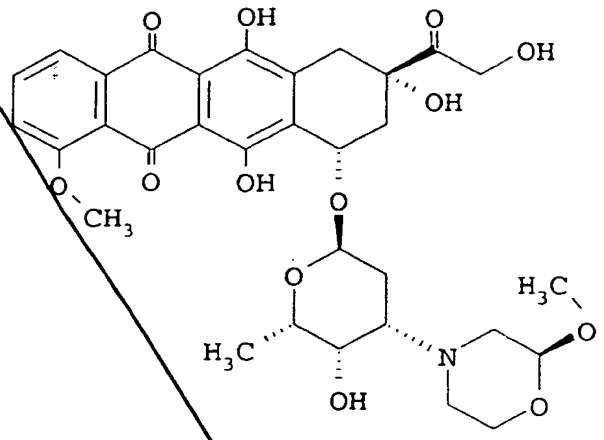
CLAIMS

1. Use of methoxymorpholino doxorubicin (MMDX) of formula



in the preparation of a medicament formulated for intrahepatic administration in the treatment of a human liver tumour.

2. Use according to claim 1. wherein the liver tumor is a tumor primarily confined to the liver.

3. Use according to claim 2. wherein the tumor primarily confined to the liver is a hepatocellular carcinoma (HCC) or a cholangiocarcinoma.

4. Use according to claim 1. wherein the tumor is a liver metastasis.

5. Use according to any one of the preceeding claims wherein the intrahepatic administration of MMDX is via the hepatic artery.

6. Use according to any one of the preceeding claims wherein MMDX is administered as an infusion of from about 15 minutes to about 30 minutes every 4 weeks.

7. Use according to anyone of claims 1. to 6. wherein MMDX is administered as a 5-10 minute bolus every 8 weeks.

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8. Use according to any one of the preceeding claims wherein MMDX is administered with an agent which remains selectively in a liver tumor after its injection through the hepatic artery.

9. Use according to claim 8. wherein the agent is iodized oil.

10. Use according to anyone of the preceeding claims wherein MMDX is administered in a dose ranging from about 100 mcg/m^2 to about 1000 mcg/m^2.

11. Use according to claim 10. wherein MMDX is administered in a dose ranging form about 100 mcg/m^2 to about 800 mcg/m^2.

12. Use according to claim 11. wherein the dose is 200 mcg/m^2.

13. A pharmaceutical composition which comprises as an active principle MMDX and a pharmaceutically acceptable agent which remains selectively in a liver tumor after its injection through the hepatic artery.

14. A pharmaceutical composition according to claim 13. wherein the agent is iodized oil.

15. Use of a pharmaceutical composition according to claim 13. or 14. for the treatment of a liver tumor.

16. Use of a pharmaceutical composition which comprises as an active principle MMDX and a pharmaceutically acceptable agent which remains selectively in a liver tumor after its injection through the hepatic artery, for the preparation of a medicament formulated for intrahepatic administration in the treatment of a human liver tumor.

17. Use according to claim 16 wherein the agent is iodized oil.

18. A method of treating a human liver tumor which comprises the intrahepatic administation of a therapeutically effective amount of MMDX to a patient in need thereof.

19. A method for reducing MMDX systemic exposure of a patient suffering from a liver cancer which comprises the intrahepatic administration of a therapeutically effective amount of MMDX to said patient.